

**Electronic Filing System (EFS) Data**  
**Electronic Patent Application Submission**  
**USPTO Use Only**

EFS ID: 12612  
Application ID: 09682742  
Title of Invention: CONDUCTIVITY SENSOR FOR  
DETECTING CONDUCTIVITY OF A  
FLUID  
First Named Inventor: Alex Colvin  
Domestic/Foreign Application: Domestic Application  
Filing Date: null  
Effective Receipt Date: 2001-10-12  
Submission Type: Utility Patent Filing  
Filing Type: null  
Confirmation Number: 0  
Attorney Docket Number: 201-0006 CLH  
Digital Certificate Holder: cn=Damian Porcari, ou=Registered Attorneys, ou=Patent and  
Trademark Office, ou=Department of Commerce, o=U.S.  
Government, c=US  
Certificate Message Digest: Hsi/9AYXGrvITkSQW0BVMg==  
Total Fees Authorized: \$780.0  
Payment Category: DA - Deposit Account  
Deposit Account Number: 61510  
Deposit Account Name: Sheri L. Charles



09682742-101201

# TRANSMITTAL FORM

Electronic Version 1.0.2

Stylesheet Version: 1.0

Attorney Docket Number: 201-0006 CLH



## CONDUCTIVITY SENSOR FOR DETECTING CONDUCTIVITY OF A FLUID

First Named Inventor: Alex David Colvin

### SUBMITTED BY

Organization Name:

Ford Motor Company

Name:

Sheri Lynn Charles Electronic  
Application Specialist

Electronic Signature Mark: /slc

Date Signed: 20011012

*I certify that the use of this system is for OFFICIAL correspondence between patent applicants or their representatives and the USPTO. Fraudulent or other use besides the filing of official correspondence by authorized parties is strictly prohibited, and subject to a fine and/or imprisonment under applicable law.*

*I, the undersigned, certify that I have viewed a display of document(s) being electronically submitted to the United States Patent and Trademark Office, using either the USPTO provided style sheet or software, and that this is the document(s) I intend for initiation or further prosecution of a patent application noted in the submission. This document(s) will become part of the official electronic record at the USPTO.*

### Attached Files:

bibd-transmittal

201-0006apds.xml

fee-transmittal

201-0006fee.xml

patent-assignment

201-0006asgn.xml

declaration

declaration 1 of 2.tif

declaration

declaration 2 of 2.tif

declaration  
declaration  
specification

consent.tif  
prior art.tif  
specification.xml

**Attached Image File(s):**

declaration 1 of 2.tif  
declaration 2 of 2.tif  
consent.tif  
prior art.tif

09682742-101201  
T02T0T 24/28960

**Comments:**

1. Personal Information	
1.1 Name	1.2 Age
1.3 Gender	1.4 Marital Status
1.5 Education Level	1.6 Occupation
1.7 Annual Income	1.8 City
1.9 Country	1.10 Date of Birth
1.11 Email Address	1.12 Phone Number
1.13 Social Security Number	1.14 Date of Registration
1.15 Date of Last Update	1.16 Date of Expiry
1.17 Date of Creation	1.18 Date of Deletion
1.19 Date of Archiving	1.20 Date of Restoration
1.21 Date of Backup	1.22 Date of Recovery
1.23 Date of Migration	1.24 Date of Transfer
1.25 Date of Sync	1.26 Date of Sync
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1.99 Date of Sync	1.100 Date of Sync

09692742 101201

**DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATION**

**Attorney's Docket No.  
201-0006**

As a below named inventor, I hereby declare:

My residence, post office address and citizenship are as stated below next to my name;

I verily believe I am the original, first and sole inventor or an original, first and joint inventor of the subject matter that is claimed for which a patent is sought on the invention entitled

**CONDUCTIVITY SENSOR FOR DETECTING CONDUCTIVITY OF A FLUID**

the specification of which is attached hereto.

I have reviewed and understand the contents of the specification identified above, including the claims.

I acknowledge my duty to disclose information of which I am aware that is material to the examination of this application in accordance with Section 1.56(a), Title 37 of the Code of Federal Regulations; and as to application for patents or inventor's certificate on the invention filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns,

☒ no such applications have been filed, or

☐ such applications have been filed as follows:

☐ I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below

COUNTRY	APPLICATION NO.	DATE OF FILING (month, day, year)	DATE OF ISSUE (month, day, year)	PRIORITY CLAIMED UNDER 35 USC 119	<input type="checkbox"/> Additional provisional application numbers are on a separate priority date PTO/SB/02 attached hereto

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which becomes available between the filing date of the prior application and the national or PCT International filing date of this application.

\_\_\_\_\_  
(Application Number)                      (Filing Date)                      (Status - patented, pending, abandoned)

\_\_\_\_\_  
(Application Number)                      (Filing Date)                      (Status - patented, pending, abandoned)

**POWER OF ATTORNEY:** - I/we hereby appoint the following Practitioners: Customer No. 28549, Kevin G. Mierzwa - 38 my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States and Trademark Office and all foreign Patent Offices.

Address all correspondence and telephone calls to:

Kevin G. Mierzwa  
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity application or any patent issuing thereon.

NAME AND MAILING ADDRESS OF INVENTOR:	RESIDENCE	CITIZENSHIP	SIGNATURE	DATE
Alex David Colvin 20840 Gardner OAK PARK MI 48237-2734 US	OAK PARK MI 48237-2734 US	U.S.A	<i>Alex D Colvin</i>	22
Joseph C Cassatta 15326 GAGE Taylor MI 48180 US	Taylor MI 48180 US	U.S.A	<i>Joseph C. Cassatta</i>	10

FOR 2422960

PATENT APPLICATION

ASSISTANT COMMISSIONER FOR PATENTS  
Washington, D. C. 20231

Case Docket No. **201-0006**  
Date: October 11, 2001

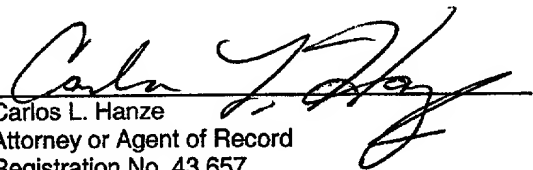
Sir:

Inventor(s):  
**Joseph Cassatta**  
**Alex Colvin**

For: **CONDUCTIVITY SENSOR FOR DETECTING CONDUCTIVITY OF A FLUID**

The attorney or agent below has reviewed this application and its attachments and consents to electronic filing by the assignee.

Respectfully submitted:



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Attorney or Agent of Record  
Registration No. 43,657  
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	Unassigned
				Filing Date	Filed Herewith
				First Named Inventor	Joseph Cassatt
				Group Art Unit	Unknown
				Examiner Name	Unknown
Sheet	1	Of	1	Attorney Docket Number	201-0006 (FGT 1519 PA)

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature	Date Considered
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**Signature** \_\_\_\_\_ **Considered** \_\_\_\_\_

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Unique citation designation number. 2 See attached Kinds of U.S. Patent Documents. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.



# FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

*Patent fees are subject to annual revisions on or about October 1st of each year.*

Large Entity

**TOTAL FEES AUTHORIZED: \$ 780**

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 06-1510



Deposit Account Name: Ford Global Technologies, Inc.

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

## SUBMITTED BY

Authorized Name: Sheri L. Charles

Electronic Signature Mark: /slc

Date Signed: 20011012

## BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

## EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 20	103	\$ 18	0	\$ 0
Independent Claims: 3	102	\$ 84	0	\$ 0

Subtotal For Extra Claims Fees: \$ 0

ADDITIONAL FEES

Fee Description	Fee Code	Fee Paid
Recording Each Patent Assignment Per Property Fee	581	\$ 40

Subtotal For Additional Fees: \$ 40

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